

FIGURE 1A

CTCGGTGGCC GTCCGCCAC TCCGCGGCGT TCGGGGAAAT GGCTGCGAGA CCCTAGAGGC  
 CTGCGGAGCT TACTCCACGG GAACAGCCTC TAGATAATCT GAGTTGTTGA AAATACGAAG  
 CCTGTTACTC GTGAACAGTG GCTGACAACA GTGTTGTTGT GAGCCTGGCT GTCTGCTTGG  
 ACCCAGAGGT TTCGTCTGCC AGGGTTTTTTG GTTGTATTTA GGATTTTCAGG GAAAAGTGTC  
 CAAGCTTTCA GTGTTGGAGC AGGTATGGAC GACAAAGGCG ACCCGAGCAA TGAGGAGGCA  
 CCTAAGGCCA TCAAACCCAC CAGCAAAGAG TTCAGGAAAA CATGGGGTTT TCGAAGGACC  
 ACTATCGCCA AGCGAGAGGG CGCAGGGGAC GCGGAGGCTG ACCCACTGGA GCCGCCACCC  
 CCACAGCAGC AGCTGGGCCT GTCCCTGCGG CGCAGTGGGA GGCAGCCCCA GCGCACTGAG  
 CGCGTGGAG AGTTCCTGAC CATTGCGCGG CGCCGCGGCA GGAGGAGCAT GCCTGTCTCC  
 CTGGAGGATT CTGGTGAGCC CACGTCTGTC CCCGCCACAG ACGCCGAGAC AGCCTCCGAG  
 GGCAGCGTGG AAAGCGCTTC TGAGACCAGA AGCGGCCCCC AGTCTGCTTC CACAGCTGTG  
 AAGGAACGAC CAGCCTCTTC TGAAAAGGTG AAAGGAGGGG ATGACCACGA TGACACCTCC  
 GATAGTGACA GCGATGGCCT GACCTTGAAA GAGCTTCAGA ATCGCCTTCG CAGGAAGCGG  
 GAACAGGAGC CCACTGAGAG GCCCCTGAAA GGGATCCAGA GTCGCCTGCG GAAGAAGCGC  
 CGGGAGGAGG GTCCCGCCGA GACTGTGGGC TCCGAGGCCA GTGACACTGT GGAGGCGCTC  
 CTGCCCAGTA AGCAGGAGCC CGAGAACGAT CAGGGGGTTG TGTCCAGGC TGGGAAAGAT  
 GACAGAGAGA GTAAGTTGGA GGGAAAGGCG GCTCAGGACA TCAAAGATGA GGAGCCTGGA  
 GACTTGGGCC GACCGAAGCC TGAATGTGAG GGTTACGACC CCAACGCCCT GTATTGCATT  
 TGCCGCCAGC CTCACAACAA CAGGTTTATG ATTTGCTGTG ACCGCTGTGA AGAATGGTTT  
 CATGGCGATT GTGTGGGCAT TTCTGAGGCT CGAGGGAGGC TTTTGGAAG GAATGGGGAA  
 GACTATATCT GCCCAAACCTG CACCATTCTG CAAGTGCAGG ATGAGACTCA TTCAGAAACG  
 GCAGATCAGC AGGAAGCTAA ATGGAGACCT GGAGATGCTG ATGGCACCGA TTGTACAAGT  
 ATAGGAACAA TAGAGCAGAA GTCTAGCGAA GACCAAGGGA TAAAGGGTAG AATTGAGAAA  
 GCTGCAAATC CAAGTGGCAA GAAGAACTC AAGATCTTCC AGCCTGTGAT AGAGGCGCCT  
 GGTGCCTCAA AATGTATTGG CCCCAGGTCG TGTCACGTGG CGCAGCCCGA CTCGGTGTAC  
 TGCAGTAATG ACTGTATCCT CAAACACGCC GCAGCGACAA TGAAGTTTCT AAGCTCAGGT  
 AAAGAACAGA AGCCAAAGCC TAAAGAAAAG ATGAAGATGA AGCCAGAGAA GCCCAGTCTT  
 CCGAAATGCG GTGCTCAGGC AGGTATTAAA ATCTCTTCTG TGCACAAGAG ACCAGTCCA  
 GAAAAAAAAG AGACCACAGT GAAGAAGGCA GTGGTGGTCC CTGCGCGGAG TGAAGCACTC  
 GGGAAAGGAAG CAGCTTGTGA GAGCAGCACG CCGTCGTGGG CGAGCGATCA CAATTACAAT  
 GCAGTAAAGC CAGAAAAGAC TGCTGCTCCC TCGCCGTCAC TGTTGTATAA ATGTATGTAT  
 CACCTAGGGG TTGGCCTCCT GGACCCCTCC CGTCTTTTCT GGATAGCCAT CCCCTGGGCC  
 TGTCCAGGAC TGGGAGTTGC AGCTTTGTGT TAAGCTGATC ACAGACACCG GCTGCACCAT  
 CAGCGGGAAG CAGAGCCCAT GTCCAGGATG CCTCCTGCTG CCCTGTGTCC ATCCCTAGTC  
 TGTCAGGACT TCCTGTCACT GTTTTCCAAA GCTGTAAACC TCACTGGTGA ACGTTCACCT  
 TAATGATTGA TTCTTTAATC TCTGTTTTC TCTCAGGCT CTGGTAAGTA TTTGTATTCT  
 CTTCATCCCA GTCTGATTGC ATAGCCACAC TGCCCGGCAC GCCACATCCA CCCCTGTCTG  
 CACATGAGTT GTTCTGACAA CAGCGCTGTA TACGCTTCAG TTTTTCACCA TTGTCCACGG  
 CCAGCACATG AAAGCATCAC TTCTTTTTTA TGTTGTGGGA ATCTTTGCAA GTTAGTGTG  
 CATCTGATTT TCAGGTGTAC ATTTATTTTT GACTGGGCAG ATAGGGGATT TTTTTTTTTT  
 TCCATGTCCG ATTCACACGC TACACACCCA CATGAACACA TTCGAACCTC GAAGGCACAC  
 ACTCCTGCTT CATAGGCCCC ACGGTAAGTG AGTTCACACC TAGAACACTG TCCTGACCGC  
 AGGACGCGTG CTTTGGACTT GGTATTCTAC ATGTGACTGG CTTTCTTGCC CTCGTCTCTT  
 GAATGTTTAG ACTCTTAAGA TCATATCCTG

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FIGURE 1B

tccgtggtag ctctggaaat ggetgcggga tcccggcggc cggggagctt gtttaagagg  
 cagtccccac tgtccctttg gttgttcgaa gctccggaat cttctcattg atgaactgtg  
 actgacaaca gtggggtgag gcttggccgt ctgcttgacc tggccccagg tctataattt  
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 gagacaaacg gttagcggcac caatgagcag gactctgggt gcagatctgt ggggtctgat  
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 gtaactgaaa ctgctgatct tcttgccttt gtttcctttg tgctggg

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## FIGURE 1C

MDDKGDPSNEEAPKAIKPTSKEFRKTWGFRRTTIAKREGAGDAEADPLEPPPPQQQLGLSLR  
RSGRQPKRTERVEQFLTIIARRRGRRSMPVSLEDSGEPTSCPATDAETASEGSVESASETRSG  
PQSASTAVKERPASSEKVKGGDDHDDTSDSDSDGLTLKEI ONRLRRKKEQEPTERPLKGI  
RLRKKRREEGPAETVGSEASDTVEGVLP SKQEPENDQGVVSQAGKDDRESKLEGKAAQDIKD  
EEPGDLGRPKPECEGYDPNALYCICROPHNNRFMICCDRCEEWFHGDCVGISEARGRLLEARN  
GEDYICPNCTILQVQDETHSETADQQEAKWRPGDADGTDCTSIGTIEQKSSEDQGIKGRIEK  
AANPSGKKKKLKIFQPVIEAPGASKCIGPGCCHVAQPDSVYCSNDCILKHAAATMKFLSSGKE  
QKPKPKKMKMKPEKPSLPKCGAQAGIKISSVHKRPAPEKKETTVKKAVVVPARSEALGKEA  
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AALC

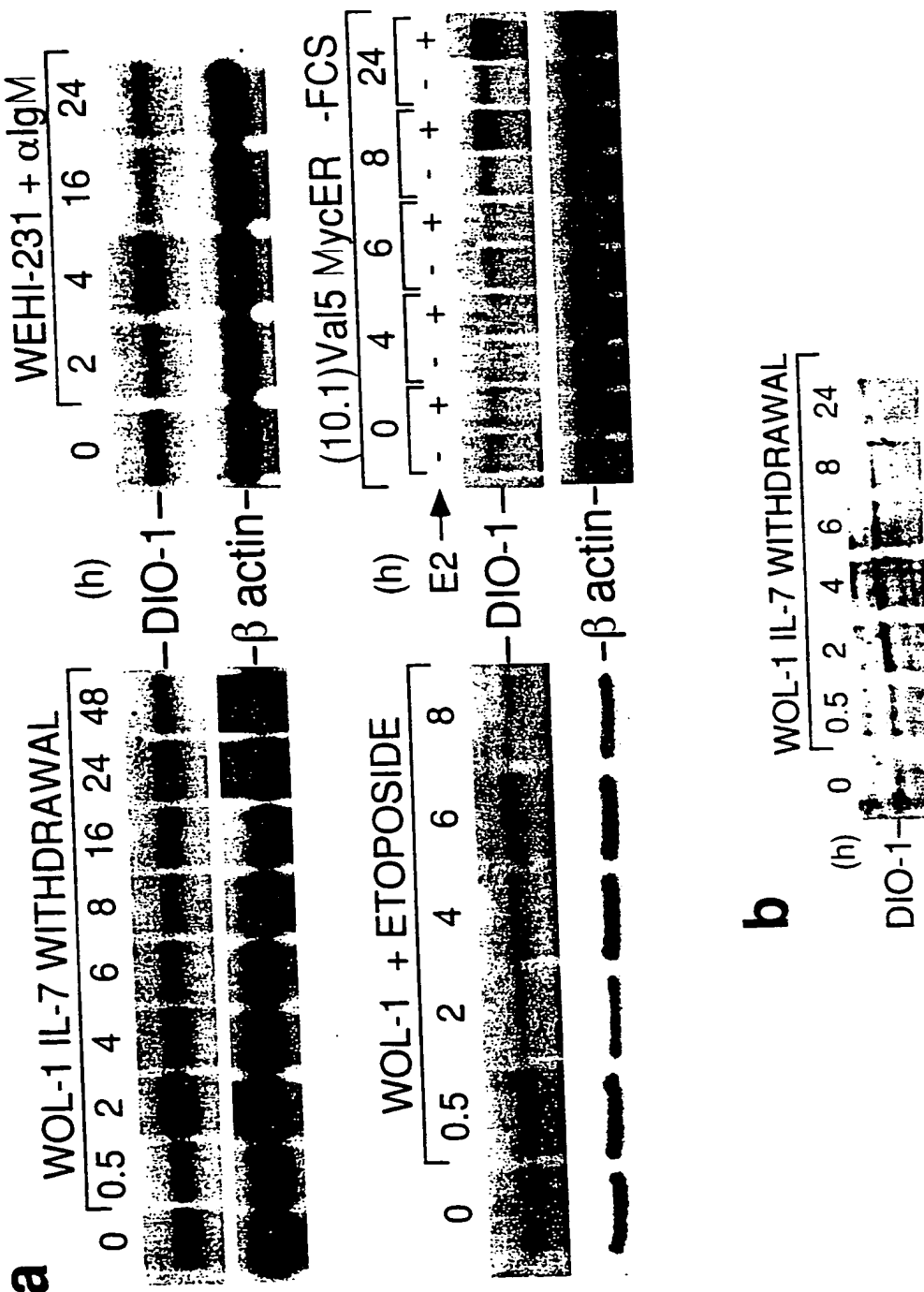
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## FIGURE 1D

MDDKGHLSNEEAPKAIKPTSKEFRKTWGFRRTTIAKREGAGDTEADPSEQQPQQHNLSLRRS  
GRQPKRTERVEEFLTTVRRRGKKNVPVSLEDSSEPTSSTVTDVETASEGSVESSEIRSGP̄V  
SDSLGKEHPASSEKAKGEEEEEDTSDSDSDGLTLKEIONRLRRKREQEPVERSLRGSONRLR  
KKRREEDSAETGSVQIGSAEQDRPLCKQEPEASQGPVSQSETDDIENQLEGKATQGNTENP  
REAGKPKPECEVYDPNALYCICROPHNNRFMICCDRCEEFHGDGCVGISEARGRLLERNGED  
YICPNCTILQVQDETNGSATNEQDSGCRSVGADGTDCTSIGTVEQKSGEDQGIKGRIEKAAN  
PSGKKKLKIFQPVVEAPGAPKCIGPGCSSVAQPDSVYCSNDCILKHAAATMRFLSSGKEQKT  
KPKEKVTKPEKFSLPKCSVQVGIKISSVHKRLASEKRENPVKKVMLASRSETSGKEAACES  
STPSWASDHNYNAVKPEKPEKPTALSPTLLSKCTYHPKAGFPGPSHHLGGCLGLSRTRVLGV  
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FIGURE 2



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FIGURE 2 CONTINUED

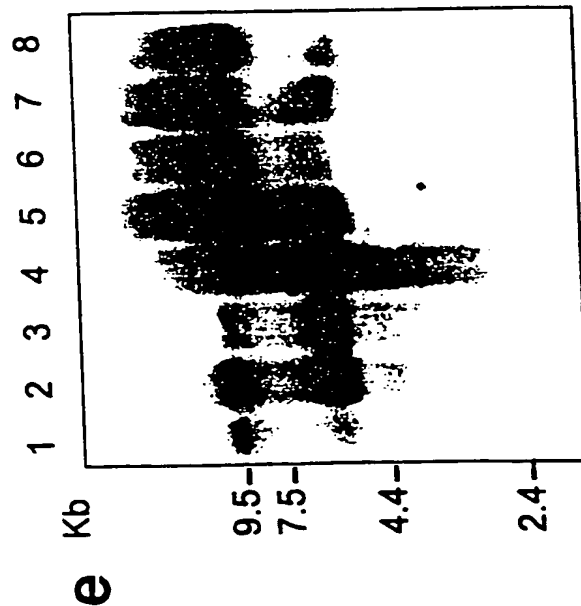
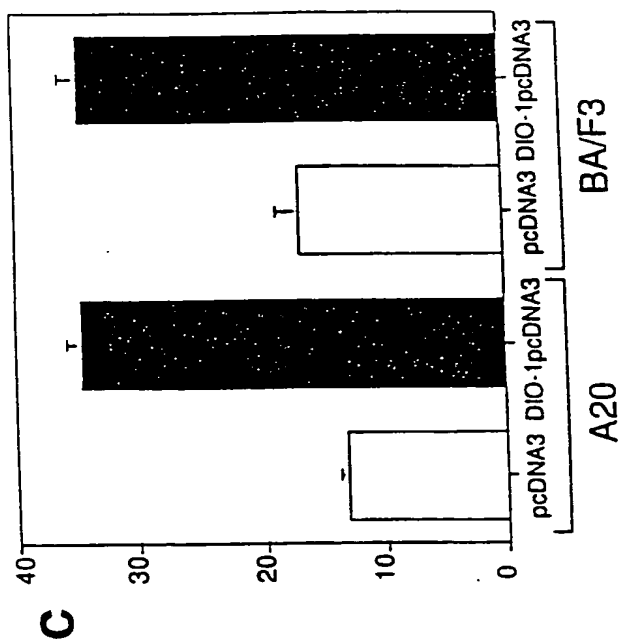
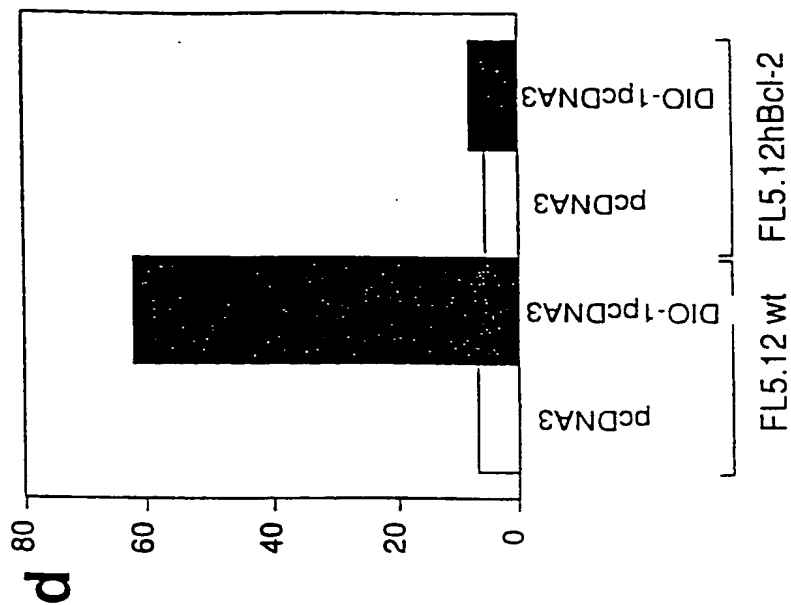
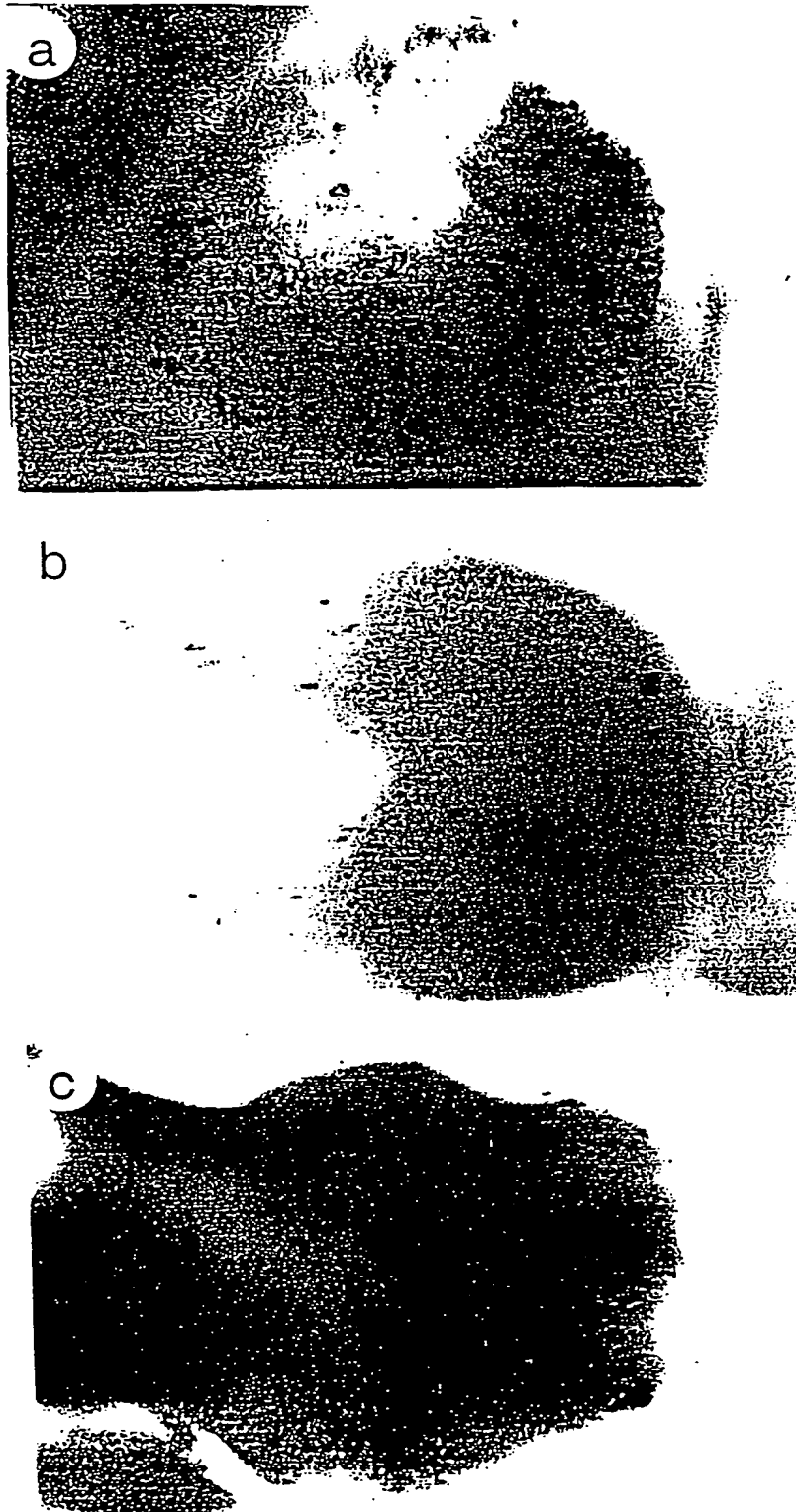


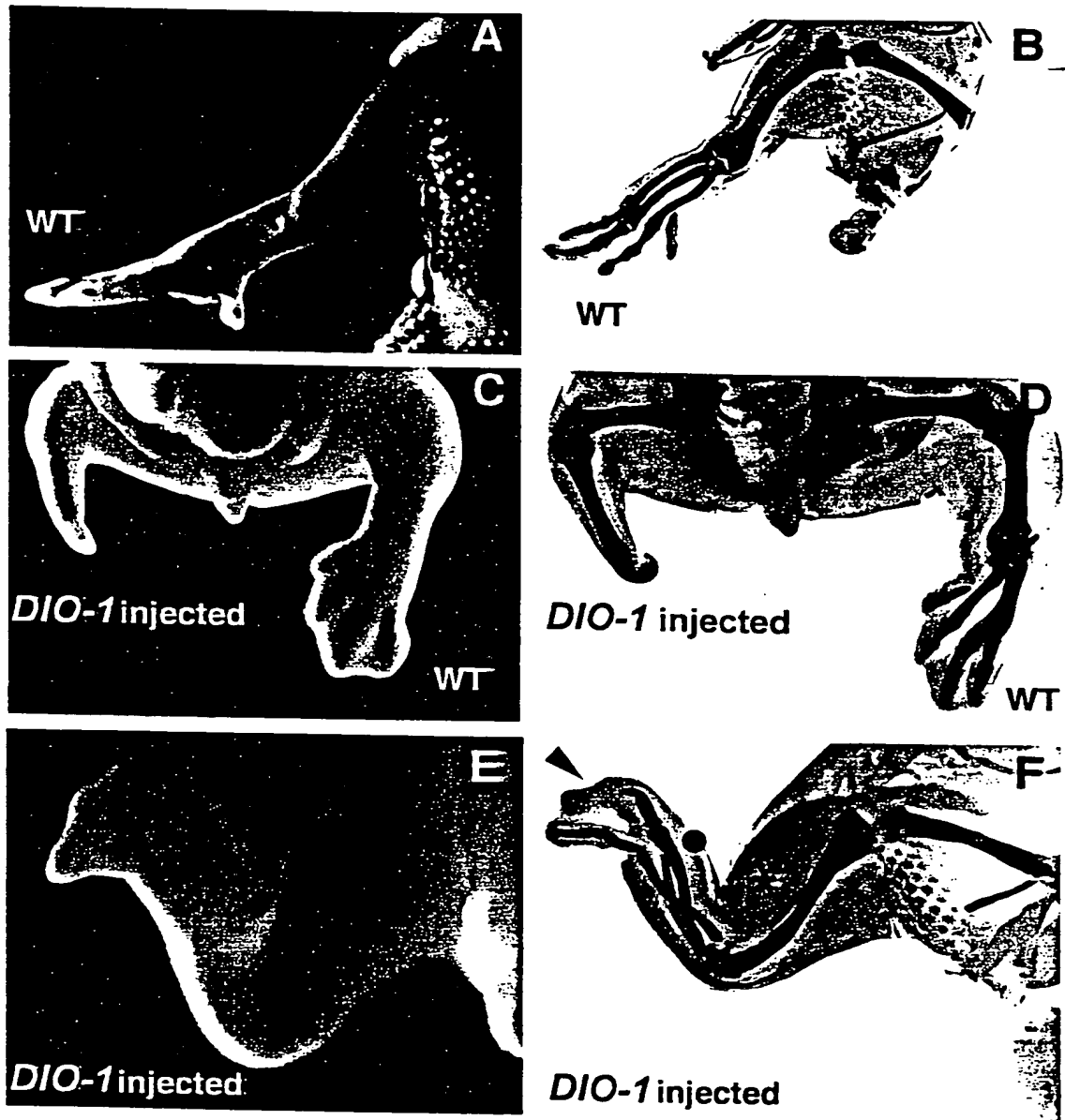
FIGURE 3





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FIGURE 4



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FIGURE 5

